

# East Search

| L Number | Hits    | Search Text  | DB                                 | Time stamp       |
|----------|---------|--|------------------------------------|------------------|
| 1        | 2536    | cure near5 develop\$5  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/18 13:22 |
| 2        | 4924    | (acid photoacid) adj generator   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/18 13:23 |
| 3        | 116371  | (infrared IR) adj absorb\$3 (carbon adj black)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/18 13:24 |
| 4        | 2       | ("4943511").PN.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/18 13:24 |
|          | 11344   | (infrared IR) near (absorb\$4)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/18 13:21 |
|          | 14081   | \$5acid near generat\$4  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 12:32 |
|          | 3       | dual adj polymer near binder   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 12:39 |
|          | 3012981 | polymer binder resist photoresist resin  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 12:39 |
|          | 367     | ((infrared IR) near (absorb\$4)) and (\$5acid near generat\$4) and (polymer binder resist photoresist resin )  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 12:40 |
|          | 55158   | (phenol \$2cresol (p-hydroxy adj benzoic) (2-naphthol)) and (catechol resorcinol hydroquinone (bisphenol adj A.u/c.) (bisphenol adj B.u/c.) trihydroxybenzene)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 13:16 |
|          | 250258  | aldehyde formaldehyde acetaldehyde fural benzaldehyde  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 12:43 |
|          | 117     | ((infrared IR) near (absorb\$4)) and (\$5acid near generat\$4) and (polymer binder resist photoresist resin )) and ((phenol \$2cresol (p-hydroxy adj benzoic) (2-naphthol)) and (catechol resorcinol hydroquinone (bisphenol adj A.u/c.) (bisphenol adj B.u/c.) trihydroxybenzene)) and (aldehyde formaldehyde acetaldehyde fural benzaldehyde ) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 12:43 |
|          | 167838  | (carbon adj black) (pyridyl quinolinyl benzoxazolyl thiazolyl benothiazolyl oxazolyl selenazolyl)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/31 15:12 |
|          | 51388   | sulfonium sulfoxonium arsonium iodonium diazonium bromonium selenonium phosphonium   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 12:45 |
|          | 582115  | (expos\$4 irradiat\$4 image-wise image) and (develop\$3)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 12:46 |
|          | 3251221 | heat cure \$5bake \$5baking curing heating   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 12:46 |

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|  | 79     | ((infrared IR) near (absorb\$4)) and (\$5acid near generat\$4) and (polymer binder resist photoresist resin )) and ((phenol \$2cresol (p-hydroxy adj benzoic) (2-naphthol)) and (catechol resorcinol hydroquinone (bisphenol adj A.u/c.) (bisphenol adj B.u/c.) trihydroxybenzene)) and (aldehyde formaldehyde acetaldehyde fural benzaldehyde )) and ((carbon adj black) (pyridyl quinolinyl benzoxazolyl thiazolyl benothiazolyl oxazolyl selenazolyl) ) and (sulfonium sulfoxonium arsonium iodonium diazonium bromonium selenonium phosphonium ) and ((expos\$4 irradiat\$4 image-wise image) and (develop\$3) ) and (heat cure \$5bake \$5baking curing heating ) (phenol \$2cresol (p-hydroxy adj benzoic) (2-naphthol)) and (catechol resorcinol hydroquinone (bisphenol adj A.u/c.) (bisphenol adj B.u/c.) trihydroxybenzene) same aldehyde formaldehyde acetaldehyde fural benzaldehyde | USPAT;<br>US-PPGPUB;<br>EPO; JPO;<br>DERWENT | 2004/04/06 10:46 |
|  | 168946 | ((infrared IR) near (absorb\$4)) and (\$5acid near generat\$4) and (polymer binder resist photoresist resin )) and ((phenol \$2cresol (p-hydroxy adj benzoic) (2-naphthol)) and (catechol resorcinol hydroquinone (bisphenol adj A.u/c.) (bisphenol adj B.u/c.) trihydroxybenzene) same aldehyde formaldehyde acetaldehyde fural benzaldehyde  | USPAT;<br>US-PPGPUB;<br>EPO; JPO;<br>DERWENT | 2003/03/27 13:17 |
|  | 9655   | ((infrared IR) near (absorb\$4)) and (\$5acid near generat\$4) and (polymer binder resist photoresist resin )) and ((phenol \$2cresol (p-hydroxy adj benzoic) (2-naphthol)) and (catechol resorcinol hydroquinone (bisphenol adj A.u/c.) (bisphenol adj B.u/c.) trihydroxybenzene) same (aldehyde formaldehyde acetaldehyde fural benzaldehyde)  | USPAT;<br>US-PPGPUB;<br>EPO; JPO;<br>DERWENT | 2003/03/27 13:18 |
|  | 107    | ((infrared IR) near (absorb\$4)) and (\$5acid near generat\$4) and (polymer binder resist photoresist resin )) and ((phenol \$2cresol (p-hydroxy adj benzoic) (2-naphthol)) and (catechol resorcinol hydroquinone (bisphenol adj A.u/c.) (bisphenol adj B.u/c.) trihydroxybenzene) same aldehyde formaldehyde acetaldehyde fural benzaldehyde ) and ((carbon adj black) (pyridyl quinolinyl benzoxazolyl thiazolyl benothiazolyl oxazolyl selenazolyl) ) and (sulfonium sulfoxonium arsonium iodonium diazonium bromonium selenonium phosphonium ) and ((expos\$4 irradiat\$4 image-wise image) and (develop\$3) ) and (heat cure \$5bake \$5baking curing heating ) nk-2014   | USPAT;<br>US-PPGPUB;<br>EPO; JPO;<br>DERWENT | 2003/03/27 13:53 |
|  | 46     |  | USPAT;<br>US-PPGPUB;<br>EPO; JPO;<br>DERWENT | 2003/03/27 14:09 |

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|--|--------|--|------------------------------------|------------------|
|  | 32     | ((((infrared IR) near (absorb\$4)) and (\$5acid near generat\$4) and (polymer binder resist photoresist resin )) and ((phenol \$2cresol (p-hydroxy adj benzoic) (2-naphthol)) and (catechol resorcinol hydroquinone (bisphenol adj A.u/c.) (bisphenol adj B.u/c.) trihydroxybenzene) same aldehyde formaldehyde acetaldehyde fural benzaldehyde ) and ((carbon adj black) (pyridyl quinolinyl benzoxazolyl thiazolyl benothiazolyl oxazolyl selenazoly) ) and (sulfonium sulfoxonium arsonium iodonium diazonium bromonium selenonium phosphonium ) and ((expos\$4 irradiat\$4 image-wise image) and (develop\$3) ) and (heat cure \$5bake \$5baking curing heating )) not (((((infrared IR) near (absorb\$4)) and (\$5acid near generat\$4) and (polymer binder resist photoresist resin )) and ((phenol \$2cresol (p-hydroxy adj benzoic) (2-naphthol)) and (catechol resorcinol hydroquinone (bisphenol adj A.u/c.) (bisphenol adj B.u/c.) trihydroxybenzene)) and (aldehyde formaldehyde acetaldehyde fural benzaldehyde )) and ((carbon adj black) (pyridyl quinolinyl benzoxazolyl thiazolyl benothiazolyl oxazolyl selenazoly) ) and (sulfonium sulfoxonium arsonium iodonium diazonium bromonium selenonium phosphonium ) and ((expos\$4 irradiat\$4 image-wise image) and (develop\$3) ) and (heat cure \$5bake \$5baking curing heating )) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 15:22 |
|  | 1      | write-the-background adj mode  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 15:22 |
|  | 1      | (write-the-image) adj mode   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 15:23 |
|  | 2      | (write-the-background adj mode) ((write-the-image) adj mode )  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 15:29 |
|  | 17     | ARIAS-A ARIAS-ANDRE-LUIZ ARIAS-A-L ARIAS-L ARIAS-LUIS ARIAS-LUIZ-NEI ARIAS-L-N ARIAS-M ARIAS-MARJORIE PROVENZANO-MARIO-ITALO PROVENZANO-M-I  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/27 15:39 |
|  | 23813  | cyclohexanone same solvent   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/31 14:51 |
|  | 0      | ((bisphenol adj a.u/c. near2 formaldehyde) (m-cresol adj formaldehyde) (bisphenol adj a.u/c.-formaldehyde) (m-cresol-formaldehyde)) same (molecualar adj weight)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/03/31 15:19 |
|  | 189263 | ((bisphenol adj a.u/c. near2 formaldehyde) (m-cresol adj formaldehyde) (bisphenol adj a.u/c.-formaldehyde) (m-cresol-formaldehyde))  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/12/15 15:55 |
|  | 156517 | (develop\$4) same (cur\$4)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 09:19 |
|  | 2255   | ((develop\$4) same (cur\$4)) and (novolak resol)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 11:49 |

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|  | 527   | ((develop\$4) same (cur\$4)) and (novolak resol) ) and (onium (\$5acid near generat\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 11:49 |
|  | 53    | (((develop\$4) same (cur\$4)) and (novolak resol) ) and (onium (\$5acid near generat\$3))) and ((infrared IR) near3 absorb\$3)                     | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 11:49 |
|  | 36    | ((((develop\$4) same (cur\$4)) and (novolak resol) ) and (onium (\$5acid near generat\$3))) and ((infrared IR) near3 absorb\$3)) and (curing cure) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 09:19 |
|  | 24035 | (develop\$4) same (cure curing cured)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 09:19 |
|  | 1597  | ((develop\$4) same (cure curing cured)) and (novolak resol)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 09:22 |
|  | 372   | ((develop\$4) same (cure curing cured)) and (novolak resol) ) and (onium (\$5acid near generat\$3))  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 09:25 |
|  | 29    | (((develop\$4) same (cure curing cured)) and (novolak resol) ) and (onium (\$5acid near generat\$3))) and ((infrared IR) near3 absorb\$3)          | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 11:39 |
|  | 3     | cure adj after adj development   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 11:48 |
|  | 10564 | cur\$3 near3 develop\$4  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 11:49 |
|  | 410   | (cur\$3 near3 develop\$4) and (novolak resol)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 11:49 |
|  | 130   | ((cur\$3 near3 develop\$4) and (novolak resol) ) and (onium (\$5acid near generat\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/04/01 11:49 |
|  | 2     | ((cur\$3 near3 develop\$4) and (novolak resol) ) and (onium (\$5acid near generat\$3))) and ((infrared IR) near3 absorb\$3)                        | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 10:02 |
|  | 304   | (resol resole) same (polyhydric)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/12/15 16:00 |
|  | 785   | resorcinol same (resol resole)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/12/17 11:44 |
|  | 154   | (resol resole) same (polyhydroxy dihydroxy poly-hydroxy di-hydroxy)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/12/17 12:42 |
|  | 2     | ("5786125") or ("6042987").PN.   | USPAT                              | 2003/12/17 12:42 |
|  | 6     | ((cur\$3 near3 develop\$4) and (novolak resol) ) and (onium (\$5acid near generat\$3))) and ((infrared IR) near3 absorb\$3)                        | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 10:03 |
|  | 2     | ep-0501433-\$ .did. us-4943511-\$ .did.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:44 |

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|--|---------|--|------------------------------------|------------------|
|  | 140     | ((infrared IR) near (absorb\$4)) and (\$5acid near generat\$4) and (polymer binder resist photoresist resin )) and ((phenol \$2cresol (p-hydroxy adj benzoic) (2-naphthol)) and (catechol resorcinol hydroquinone (bisphenol adj A.u/c.) (bisphenol adj B.u/c.) trihydroxybenzene)) and (aldehyde formaldehyde acetaldehyde fural benzaldehyde )) and ((carbon adj black) (pyridyl quinolinyl benzoxazolyl thiazolyl benothiazolyl oxazolyl selenazolyl) ) and (sulfonium sulfoxonium arsonium iodonium diazonium bromonium selenonium phosphonium ) and ((expos\$4 irradiat\$4 image-wise image) and (develop\$3) ) and (heat cure \$5bake \$5baking curing heating ) ep-0501433-\$ .did. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 10:47 |
|  | 0       |  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:42 |
|  | 2       | ep-501433-\$ .did.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:42 |
|  | 4       | ep-501433-\$ .did. us-4943511-\$ .did.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:44 |
|  | 0       | (ep-501433-\$ .did. us-4943511-\$ .did. ) and (infrared IR)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:45 |
|  | 0       | (ep-501433-\$ .did. us-4943511-\$ .did. ) and (absorber)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:45 |
|  | 2278370 | polymer binder resist photoresist  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:45 |
|  | 110785  | ((infrared IR) adj absorber) (carbon adj black)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:46 |
|  | 15324   | (photoacid acid) adj generat\$3  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:46 |
|  | 728     | (polymer binder resist photoresist) and (((infrared IR) adj absorber) (carbon adj black)) and ((photoacid acid) adj generat\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:46 |
|  | 395417  | cresol phenol p-hydroxybenzoic (p-hydroxy adj benzoic) catechol resorcinol hydroquinone bisphenol trihydroxybenzene  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:48 |
|  | 190479  | formaldehyde acetaldehyde fural benzaldehyde   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:48 |
|  | 328     | ((polymer binder resist photoresist) and (((infrared IR) adj absorber) (carbon adj black)) and ((photoacid acid) adj generat\$3)) and (cresol phenol p-hydroxybenzoic (p-hydroxy adj benzoic) catechol resorcinol hydroquinone bisphenol trihydroxybenzene ) and (formaldehyde acetaldehyde fural benzaldehyde )   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:48 |

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|--|---------|--|------------------------------------|------------------|
|  | 275     | ((polymer binder resist photoresist) and ((infrared IR) adj absorber) (carbon adj black)) and ((photoacid acid) adj generat\$3)) and (cresol phenol p-hydroxybenzoic (p-hydroxy adj benzoic) catechol resorcinol hydroquinone bisphenol trihydroxybenzene ) and (formaldehyde acetaldehyde fural benzaldehyde )) and develop\$4  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:48 |
|  | 232     | ((((polymer binder resist photoresist) and ((infrared IR) adj absorber) (carbon adj black)) and ((photoacid acid) adj generat\$3)) and (cresol phenol p-hydroxybenzoic (p-hydroxy adj benzoic) catechol resorcinol hydroquinone bisphenol trihydroxybenzene ) and (formaldehyde acetaldehyde fural benzaldehyde )) and develop\$4) and (cur\$5)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:49 |
|  | 6568715 | cur\$5 heat\$3 bak\$4 postbak\$4 post-bak\$4 (post adj bak\$4)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:50 |
|  | 275     | ((((polymer binder resist photoresist) and ((infrared IR) adj absorber) (carbon adj black)) and ((photoacid acid) adj generat\$3)) and (cresol phenol p-hydroxybenzoic (p-hydroxy adj benzoic) catechol resorcinol hydroquinone bisphenol trihydroxybenzene ) and (formaldehyde acetaldehyde fural benzaldehyde )) and develop\$4) and (cur\$5 heat\$3 bak\$4 postbak\$4 post-bak\$4 (post adj bak\$4))  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 12:50 |
|  | 344633  | develop\$4 same (cur\$5 heat\$3 bak\$4 postbak\$4 post-bak\$4 (post adj bak\$4))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 13:06 |
|  | 2       | us-4943511-\$ did.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 13:02 |
|  | 0       | (alizarin adj yellow adj "A" adj dye) same (infrared IR)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 13:05 |
|  | 2       | alizarin adj yellow adj "A" adj dye  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 13:05 |
|  | 180     | alizarin adj yellow  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 13:05 |
|  | 0       | (alizarin adj yellow ) same (infrared IR)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 13:06 |
|  | 243     | (((((polymer binder resist photoresist) and ((infrared IR) adj absorber) (carbon adj black)) and ((photoacid acid) adj generat\$3)) and (cresol phenol p-hydroxybenzoic (p-hydroxy adj benzoic) catechol resorcinol hydroquinone bisphenol trihydroxybenzene ) and (formaldehyde acetaldehyde fural benzaldehyde )) and develop\$4) and (cur\$5 heat\$3 bak\$4 postbak\$4 post-bak\$4 (post adj bak\$4))) and (develop\$4 same (cur\$5 heat\$3 bak\$4 postbak\$4 post-bak\$4 (post adj bak\$4))) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 13:22 |
|  | 11151   | after adj develop\$3   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/06 13:22 |

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|--|----|--|---|------------------|
|  | 27 | (((((polymer binder resist photoresist) and ((infrared IR) adj absorber) (carbon adj black)) and ((photoacid acid) adj generat\$3)) and (cresol phenol p-hydroxybenzoic (p-hydroxy adj benzoic) catechol resorcinol hydroquinone bisphenol trihydroxybenzene ) and (formaldehyde acetaldehyde fural benzaldehyde )) and develop\$4) and (cur\$5 heat\$3 bak\$4 postbak\$4 post-bak\$4 (post adj bak\$4))) and (develop\$4 same (cur\$5 heat\$3 bak\$4 postbak\$4 post-bak\$4 (post adj bak\$4)))) and (after adj develop\$3) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/04/06 13:22 |
|--|----|--|---|------------------|